Journal of Engineering Materials and Technology

Author Index

All authors of papers published in this volume are listed alphabetically. Full titles are included in each first author's entry. Letters in parentheses follow some of the page numbers: TB indicates Technical Brief, D indicates Discussion, E indicates Errata, and BR indicates Book Review.

Ahzi, S. — (see Lee, B. J.) **124,** 27–40
Aifantis, Elias C. — (see Konstantinidis, Avraam A.) **124,** 358–364
____ (see Tsagrakis, Ioannis) **124,** 352–357
Andersen, Lars Fuglsang — Experimental Method for Residual Stress Evaluation Through the Thickness of a Plate. **124,** 428–433
Aoh, Jong-Ning, and Wei, Chung-Sheng — On the Improvement of Calibration Coefficients for Hole-Drilling Integral Method: Part I—Analysis of Calibration Coefficients Obtained by a 3-D FEM Model. **124,** 250–258
Arola, D., and Williams, C. L. — Surface Texture, Fatigue, and the Reduction in Stiffness of Fiber Reinforced Plastics. **124,** 160–166
Ashmawi, W. M., and Zikry, M. A. — Prediction of Grain-Boundary Interfacial Mechanisms in Polycrystalline Materials. **124,** 88–96
Aubertin, M. — (see Yahya, O. M. L.) **124,** 103–111

Bahia, H. — (see Lakes, R. S.) **124,** 174–178
Bammann, Douglas J. — (see Regueiro, Richard A.) **124,** 380–387
Bao, Youxia — (see Liu, Gang) **124,** 278–285
Baskes, M. I. — (see Horstemeyer, M. F.) **124,** 322–328
Bennett, Joel G. — (see Gerken, Jobie M.) **124,** 266–273
Bernstorff, S. — (see Zehetbauer, M.) **124,** 41–47
Bouvet, Christophe, Calloch, Sylvain, and Lexcellent, Christian — Mechanical Behavior of a Cu-Al-Be Shape Memory Alloy Under Multiaxial Proportional and Nonproportional Loadings. **124,** 112–124
Bulatov, V. V. — (see Wirth, B. D.) **124,** 329–334
Bulatov, Vasily — (see Zbib, Hussein M.) **124,** 78–87
Butler, G. C., Stock, S. R., McGinty, R. D., and McDowell, D. L. — X-Ray Microbeam Laue Pattern Studies of the Spreading of Orientation in OFHC Copper at Large Strains. **124,** 48–54

Calloch, Sylvain — (see Bouvet, Christophe) **124,** 112–124
____ (see Vincent, Ludovic) **124,** 402–411
Chandra, N. — (see Shet, C.) **124,** 440–450
Chen, Fuh-Kuo, and Lee, Yi-Che — Plastic Deformation of a Perforated Sheet With Nonuniform Circular Holes Along the Thickness Direction. **124,** 434–439
Cherkaoui, M. — Transformation Induced Plasticity: Mechanisms and Modeling. **124,** 55–61
Cherkaoui, Mohammed, Professor , and Tóth, László S., Professor — Editorial. **124,** 1
Chiang, Chwan K. — (see Chiang, Martin Y. M.) **124,** 274–277
Chiang, Martin Y. M., Chiang, Chwan K., and Wu, Wen-li — A Technique for Deducing In-Plane Modulus and Coefficient of Thermal Expansion of a Supported Thin Film. **124,** 274–277
Choi, Nak-Sam — (see Lee, Deok-Bo) **124,** 206–214
Chow, C. L., Yang, X. J., and Chu, E. — Prediction of Forming Limit Diagram Based on Damage Coupled Kinematic-Isotropic Hardening Model Under Nonproportional Loading. **124,** 259–265
Chu, E. — (see Chow, C. L.) **124,** 259–265
Chumlyakov, Yuriy I. — (see Gall, Ken) **124,** 238–245
Clark, David A. — (see Kang, Jidong) **124,** 140–145
Clayton, J. D., Schroeter, B. M., McDowell, D. L., and Graham, S. — Distributions of Stretch and Rotation in Polycrystalline OFHC Cu. **124,** 302–313

Davies, Richard W., Khaleel, Mohammad A., Kinsel, William C., and Zbib, Hussein M. — Anisotropic Yield Locus Evolution During Cold Pilgering of Titanium Alloy Tubing. **124,** 125–134
de la Rubia, T. Diaz — (see Wirth, B. D.) **124,** 329–334
Diaz de la Rubia, Tomas — (see Zbib, Hussein M.) **124,** 78–87
Domanti, S. A. — (see Shi, Jingyu) **124,** 146–151
Dornfeld, David A. — (see Kim, Jinsoo) **124,** 192–198
Dour, G., and Estrin, Y. — Dislocation Motion in Crystals With a High Peierls Relief: A Unified Model Incorporating the Lattice Friction and Localized Obstacles. **124,** 7–12
Duan, D-M., Wu, N. Q., Zhao, M., Slaughter, W. S., and Mao, Scott X. — Effect of Strain Gradients and Heterogeneity on Flow Strength of Particle Reinforced Metal-Matrix Composites. **124,** 167–173
Dunn, Martin L. — (see Gall, Ken) **124,** 238–245

Estrin, Y. — (see Dour, G.) **124,** 7–12
Estrin, Yuri — (see Tóth, László S.) **124,** 71–77

Fátay, D. — (see Kovács, Zs.) **124,** 23–26
Fischer, Franz D. — (see Oberaigner, Eduard R.) **124,** 97–102

Gall, Ken, Dunn, Martin L., Liu, Yiping, Labossiere, Paul, Sehitoglu, Huseyin, and Chumlyakov, Yuriy I. — Micro and Macro Deformation of Single Crystal NiTi. **124,** 238–245
Gan, J., Vetrano, J. S., and Khaleel, M. A. — Microstructure Characterization of Dislocation Wall Structure in Aluminum Using Transmission Electron Microscopy. **124,** 297–301
Gao, X.-L. — Analytical Solution of a Borehole Problem Using Strain Gradient Plasticity. **124,** 365–370
Garikipati, Krishna — (see Regueiro, Richard A.) **124,** 380–387
Gerken, Jobie M., Bennett, Joel G., and Smith, F. W. — Numerical Simulation of the Mechanically Coupled Cook-Off Experiment. **124,** 266–273
Gope, Prakash Chandra — Determination of Minimum Number of Specimens in S-N Testing. **124,** 421–427
Gracia-Villa, L. — (see Lahoz, R.) **124,** 397–401
Graham, S. — (see Clayton, J. D.) **124,** 302–313
Gubicza, J. — (see Ungár, T.) **124,** 2–6

Hamada, Naomi — (see Hirano, Akihiko) **124,** 179–184
Hanák, P. — (see Ungár, T.) **124,** 2–6
Hawong, Jai-Sug — (see Shimamoto, Akira) **124,** 390–396
Hill, Michael R., and Lin, Wei-Yan — Residual Stress Measurement in a Ceramic-Metallic Graded Material. **124,** 185–191

Journal of Engineering Materials and Technology

Author Index

All authors of papers published in this volume are listed alphabetically. Full titles are included in each first author's entry. Letters in parentheses follow some of the page numbers: TB indicates Technical Brief, D indicates Discussion, E indicates Errata, and BR indicates Book Review.

Ahzi, S. — (see Lee, B. J.) **124,** 27–40
Aifantis, Elias C. — (see Konstantinidis, Avraam A.) **124,** 358–364
____ (see Tsagrakis, Ioannis) **124,** 352–357
Andersen, Lars Fuglsang — Experimental Method for Residual Stress Evaluation Through the Thickness of a Plate. **124,** 428–433
Aoh, Jong-Ning, and Wei, Chung-Sheng — On the Improvement of Calibration Coefficients for Hole-Drilling Integral Method: Part I—Analysis of Calibration Coefficients Obtained by a 3-D FEM Model. **124,** 250–258
Arola, D., and Williams, C. L. — Surface Texture, Fatigue, and the Reduction in Stiffness of Fiber Reinforced Plastics. **124,** 160–166
Ashmawi, W. M., and Zikry, M. A. — Prediction of Grain-Boundary Interfacial Mechanisms in Polycrystalline Materials. **124,** 88–96
Aubertin, M. — (see Yahya, O. M. L.) **124,** 103–111

Bahia, H. — (see Lakes, R. S.) **124,** 174–178
Bammann, Douglas J. — (see Regueiro, Richard A.) **124,** 380–387
Bao, Youxia — (see Liu, Gang) **124,** 278–285
Baskes, M. I. — (see Horstemeyer, M. F.) **124,** 322–328
Bennett, Joel G. — (see Gerken, Jobie M.) **124,** 266–273
Bernstorff, S. — (see Zehetbauer, M.) **124,** 41–47
Bouvet, Christophe, Calloch, Sylvain, and Lexcellent, Christian — Mechanical Behavior of a Cu-Al-Be Shape Memory Alloy Under Multiaxial Proportional and Nonproportional Loadings. **124,** 112–124
Bulatov, V. V. — (see Wirth, B. D.) **124,** 329–334
Bulatov, Vasily — (see Zbib, Hussein M.) **124,** 78–87
Butler, G. C., Stock, S. R., McGinty, R. D., and McDowell, D. L. — X-Ray Microbeam Laue Pattern Studies of the Spreading of Orientation in OFHC Copper at Large Strains. **124,** 48–54

Calloch, Sylvain — (see Bouvet, Christophe) **124,** 112–124
____ (see Vincent, Ludovic) **124,** 402–411
Chandra, N. — (see Shet, C.) **124,** 440–450
Chen, Fuh-Kuo, and Lee, Yi-Che — Plastic Deformation of a Perforated Sheet With Nonuniform Circular Holes Along the Thickness Direction. **124,** 434–439
Cherkaoui, M. — Transformation Induced Plasticity: Mechanisms and Modeling. **124,** 55–61
Cherkaoui, Mohammed, Professor , and Tóth, László S., Professor — Editorial. **124,** 1
Chiang, Chwan K. — (see Chiang, Martin Y. M.) **124,** 274–277
Chiang, Martin Y. M., Chiang, Chwan K., and Wu, Wen-li — A Technique for Deducing In-Plane Modulus and Coefficient of Thermal Expansion of a Supported Thin Film. **124,** 274–277
Choi, Nak-Sam — (see Lee, Deok-Bo) **124,** 206–214
Chow, C. L., Yang, X. J., and Chu, E. — Prediction of Forming Limit Diagram Based on Damage Coupled Kinematic-Isotropic Hardening Model Under Nonproportional Loading. **124,** 259–265
Chu, E. — (see Chow, C. L.) **124,** 259–265
Chumlyakov, Yuriy I. — (see Gall, Ken) **124,** 238–245
Clark, David A. — (see Kang, Jidong) **124,** 140–145
Clayton, J. D., Schroeter, B. M., McDowell, D. L., and Graham, S. — Distributions of Stretch and Rotation in Polycrystalline OFHC Cu. **124,** 302–313

Davies, Richard W., Khaleel, Mohammad A., Kinsel, William C., and Zbib, Hussein M. — Anisotropic Yield Locus Evolution During Cold Pilgering of Titanium Alloy Tubing. **124,** 125–134
de la Rubia, T. Diaz — (see Wirth, B. D.) **124,** 329–334
Diaz de la Rubia, Tomas — (see Zbib, Hussein M.) **124,** 78–87
Domanti, S. A. — (see Shi, Jingyu) **124,** 146–151
Dornfeld, David A. — (see Kim, Jinsoo) **124,** 192–198
Dour, G., and Estrin, Y. — Dislocation Motion in Crystals With a High Peierls Relief: A Unified Model Incorporating the Lattice Friction and Localized Obstacles. **124,** 7–12
Duan, D-M., Wu, N. Q., Zhao, M., Slaughter, W. S., and Mao, Scott X. — Effect of Strain Gradients and Heterogeneity on Flow Strength of Particle Reinforced Metal-Matrix Composites. **124,** 167–173
Dunn, Martin L. — (see Gall, Ken) **124,** 238–245

Estrin, Y. — (see Dour, G.) **124,** 7–12
Estrin, Yuri — (see Tóth, László S.) **124,** 71–77

Fátay, D. — (see Kovács, Zs.) **124,** 23–26
Fischer, Franz D. — (see Oberaigner, Eduard R.) **124,** 97–102

Gall, Ken, Dunn, Martin L., Liu, Yiping, Labossiere, Paul, Sehitoglu, Huseyin, and Chumlyakov, Yuriy I. — Micro and Macro Deformation of Single Crystal NiTi. **124,** 238–245
Gan, J., Vetrano, J. S., and Khaleel, M. A. — Microstructure Characterization of Dislocation Wall Structure in Aluminum Using Transmission Electron Microscopy. **124,** 297–301
Gao, X.-L. — Analytical Solution of a Borehole Problem Using Strain Gradient Plasticity. **124,** 365–370
Garikipati, Krishna — (see Regueiro, Richard A.) **124,** 380–387
Gerken, Jobie M., Bennett, Joel G., and Smith, F. W. — Numerical Simulation of the Mechanically Coupled Cook-Off Experiment. **124,** 266–273
Gope, Prakash Chandra — Determination of Minimum Number of Specimens in S-N Testing. **124,** 421–427
Gracia-Villa, L. — (see Lahoz, R.) **124,** 397–401
Graham, S. — (see Clayton, J. D.) **124,** 302–313
Gubicza, J. — (see Ungár, T.) **124,** 2–6

Hamada, Naomi — (see Hirano, Akihiko) **124,** 179–184
Hanák, P. — (see Ungár, T.) **124,** 2–6
Hawong, Jai-Sug — (see Shimamoto, Akira) **124,** 390–396
Hill, Michael R., and Lin, Wei-Yan — Residual Stress Measurement in a Ceramic-Metallic Graded Material. **124,** 185–191

Hirano, Akihiko, Sakane, Masao, and Hamada, Naomi — Relationship Between Rockwell C Hardness and Inelastic Material Constants. **124,** 179–184
Hiratani, Masato, and Zbib, Hussein M. — Stochastic Dislocation Dynamics for Dislocation-Defects Interaction: A Multiscale Modeling Approach. **124,** 335–341
Hong, Hong-Ki, Liu, Chein-Shan, Shiao, Ya-Po, and Shih, Bing-Chang — Planar Double-Slip Model for Polycrystal Plasticity and Micro Tension Tests of Pure Nickel and Copper. **124,** 314–321
Hong, Seung-Hyun, and Lee, Dong Nyung — Deformation and Recrystallization Textures in Cross-Rolled Copper Sheet. **124,** 13–22
Horstemeyer, M. F., Lim, J., Lu, W. Y., Mosher, D. A., Baskes, M. I., Prantil, V. C., and Plimpton, S. J. — Torsion/Simple Shear of Single Crystal Copper. **124,** 322–328
Huang, Y. — (see Xue, Z.) **124,** 371–379
Hubbard, C. R. — (see Sutton, M. A.) **124,** 215–221
_____ (see Sutton, M. A.) **124,** 451(E)
Hwang, K. C. — (see Xue, Z.) **124,** 371–379

Ikeda, Toru — (see Lee, Deok-Bo) **124,** 206–214

Jain, V. K. — (see Namjoshi, S. A.) **124,** 222–228
Johnson, W. Steven — (see Kang, Jidong) **124,** 140–145

Kachanov, M. — (see Sevostianov, I.) **124,** 246–249
Kallmeyer, Alan R., Krgo, Ahmo, and Kurath, Peter — Evaluation of Multiaxial Fatigue Life Prediction Methodologies for Ti-6Al-4V. **124,** 229–237
Kang, Jidong, Johnson, W. Steven, and Clark, David A. — Three-Dimensional Finite Element Analysis of the Cold Expansion of Fastener Holes in Two Aluminum Alloys. **124,** 140–145
Kay, Gregory J. — (see Lassila, David H.) **124,** 290–296
Khaleel, M. A. — (see Gan, J.) **124,** 297–301
Khaleel, Mohammad A. — (see Davies, Richard W.) **124,** 125–134
Khraishi, Tariq A., and Zbib, Hussein M. — Special Issue on Multi-Scale Modeling of Plastic Deformation Phenomena. **124,** 289
_____, **and Zbib, Hussein M.** — Free-Surface Effects in 3D Dislocation Dynamics: Formulation and Modeling. **124,** 342–351
Kim, Jinsoo, and Dornfeld, David A. — Development of an Analytical Model for Drilling Burr Formation in Ductile Materials. **124,** 192–198
Kinsel, William C. — (see Davies, Richard W.) **124,** 125–134
Konstantinidis, Avraam A., and Aifantis, Elias C. — Recent Developments in Gradient Plasticity—Part II: Plastic Heterogeneity and Wavelets. **124,** 358–364
Kopacz, I. — (see Zehetbauer, M.) **124,** 41–47
Kose, S. — (see Lakes, R. S.) **124,** 174–178
Kovács, Zs., Fátay, D., Nyilas, K., and Lendvai, J. — Effect of Grain Boundaries on PLC Plastic Instabilities. **124,** 23–26
Krgo, Ahmo — (see Kallmeyer, Alan R.) **124,** 229–237
Kurath, Peter — (see Kallmeyer, Alan R.) **124,** 229–237
Kurtyka, Tadeusz — (see Vincent, Ludovic) **124,** 402–411

Labossiere, Paul — (see Gall, Ken) **124,** 238–245
Lahoz, R., Gracia-Villa, L., and Puértolas, J. A. — Training of the Two-Way Shape Memory Effect by Bending in NiTi Alloys. **124,** 397–401
Lakes, R. S., Kose, S., and Bahia, H. — Analysis of High Volume Fraction Irregular Particulate Damping Composites. **124,** 174–178
Lassila, David H., LeBlanc, Mary M., and Kay, Gregory J. — Uniaxial Stress Deformation Experiment for Validation of 3-D Dislocation Dynamics Simulations. **124,** 290–296
LeBlanc, Mary M. — (see Lassila, David H.) **124,** 290–296
Lee, B. J., Ahzi, S., and Parks, D. M. — Bicrystal-Based Modeling of Plasticity in FCC Metals. **124,** 27–40
Lee, Deok-Bo, Ikeda, Toru, Miyazaki, Noriyuki, and Choi, Nak-Sam — Damage Zone Around Tip of an Interface Crack Between Rubber-Modified Epoxy Resin and Aluminum. **124,** 206–214
Lee, Dong Nyung — (see Hong, Seung-Hyun) **124,** 13–22
Lee, Hyo-Jae — (see Shimamoto, Akira) **124,** 390–396
Lee, Yi-Che — (see Chen, Fuh-Kuo) **124,** 434–439
Lendvai, J. — (see Kovács, Zs.) **124,** 23–26
Lexcellent, Christian — (see Bouvet, Christophe) **124,** 112–124
Li, M. — (see Xue, Z.) **124,** 371–379
Lim, J. — (see Horstemeyer, M. F.) **124,** 322–328
Lin, Wei-Yan — (see Hill, Michael R.) **124,** 185–191
Lin, Zhongqin — (see Liu, Gang) **124,** 278–285
Liu, Chein-Shan — (see Hong, Hong-Ki) **124,** 314–321
Liu, Gang, Lin, Zhongqin, and Bao, Youxia — Optimization Design of Drawbead in Drawing Tools of Autobody Cover Panel. **124,** 278–285
Liu, Yiping — (see Gall, Ken) **124,** 238–245
Lu, W. Y. — (see Horstemeyer, M. F.) **124,** 322–328

Mall, S. — (see Namjoshi, S. A.) **124,** 222–228
Mao, Scott X. — (see Duan, D-M.) **124,** 167–173
Marin, Esteban B. — (see Regueiro, Richard A.) **124,** 380–387
Marquis, Didier — (see Vincent, Ludovic) **124,** 402–411
Mayer, Robert R. — (see Zhou, Qing) **124,** 412–420
McDowell, D. L. — (see Butler, G. C.) **124,** 48–54
_____ (see Clayton, J. D.) **124,** 302–313
McDowell, David L. — Editor's Note. **124,** 389
McElwain, D. L. S. — (see Shi, Jingyu) **124,** 146–151
McGinty, R. D. — (see Butler, G. C.) **124,** 48–54
Miyazaki, Noriyuki — (see Lee, Deok-Bo) **124,** 206–214
Molinari, Alain — Averaging Models for Heterogeneous Viscoplastic and Elastic Viscoplastic Materials. **124,** 62–70
_____ (see Tóth, László S.) **124,** 71–77
Mosher, D. A. — (see Horstemeyer, M. F.) **124,** 322–328

Namjoshi, S. A., Jain, V. K., and Mall, S. — Effects of Shot-Peening on Fretting-Fatigue Behavior of Ti-6Al-4V. **124,** 222–228
Nyilas, K. — (see Kovács, Zs.) **124,** 23–26

Oberaigner, Eduard R., Fischer, Franz D., and Tanaka, Kikuaki — On the Optimal Damping of a Vibrating Shape Memory Alloy Rod. **124,** 97–102

Parks, D. M. — (see Lee, B. J.) **124,** 27–40
Plimpton, S. J. — (see Horstemeyer, M. F.) **124,** 322–328
Prantil, V. C. — (see Horstemeyer, M. F.) **124,** 322–328
Puértolas, J. A. — (see Lahoz, R.) **124,** 397–401

Ragab, A. R. — Creep Rupture Due to Material Damage by Cavitation. **124,** 199–205
Regueiro, Richard A., Bammann, Douglas J., Marin, Esteban B., and Garikipati, Krishna — A Nonlocal Phenomenological Anisotropic Finite Deformation Plasticity Model Accounting for Dislocation Defects. **124,** 380–387
Reynolds, A. P. — (see Sutton, M. A.) **124,** 215–221
_____ (see Sutton, M. A.) **124,** 451(E)
Ribárik, G. — (see Ungár, T.) **124,** 2–6

Ruud, J. — (see Sevostianov, I.) **124,** 246–249

Saito, Kenichi — (see Soyama, Hitoshi) **124,** 135–139
Saka, Masumi — (see Soyama, Hitoshi) **124,** 135–139
Sakane, Masao — (see Hirano, Akihiko) **124,** 179–184
Schafler, E. — (see Zehetbauer, M.) **124,** 41–47
Schroeter, B. M. — (see Clayton, J. D.) **124,** 302–313
Sehitoglu, Huseyin — (see Gall, Ken) **124,** 238–245
Sevostianov, I., Kachanov, M., and Ruud, J. — On the Elastic Properties of PVD Coatings in Relation to Their Microstructure. **124,** 246–249
Shet, C., and Chandra, N. — Analysis of Energy Balance When Using Cohesive Zone Models to Simulate Fracture Processes. **124,** 440–450
Shi, Jingyu, McElwain, D. L. S., and Domanti, S. A. — Some Plastic Deformation Modes for Indentation of Half Space by a Rigid Body With Serrated Surface as a Model of Roughness Transfer in Metal Forming. **124,** 146–151
Shiao, Ya-Po — (see Hong, Hong-Ki) **124,** 314–321
Shih, Bing-Chang — (see Hong, Hong-Ki) **124,** 314–321
Shimamoto, Akira, Hawong, Jai-Sug, and Lee, Hyo-Jae — Development of Shape Memory TiNi Fiber Reinforced Epoxy Matrix Composite and Its Properties. **124,** 390–396
Slaughter, W. S. — (see Duan, D-M.) **124,** 167–173
Smith, F. W. — (see Gerken, Jobie M.) **124,** 266–273
Soyama, Hitoshi, Saito, Kenichi, and Saka, Masumi — Improvement of Fatigue Strength of Aluminum Alloy by Cavitation Shotless Peening. **124,** 135–139
Stock, S. R. — (see Butler, G. C.) **124,** 48–54
Sutton, M. A., Reynolds, A. P., Wang, D.-Q., and Hubbard, C. R. — A Study of Residual Stresses and Microstructure in 2024-T3 Aluminum Friction Stir Butt Welds. **124,** 215–221
_____, **Reynolds, A. P., Wang, D.-Q., and Hubbard, C. R.** — A Study of Residual Stresses and Microstructure in 2024-T3 Aluminum Friction Stir Butt Welds. **124,** 451(E)

Tanaka, Kikuaki — (see Oberaigner, Eduard R.) **124,** 97–102
Tóth, László S., Professor — (see Cherkaoui, Mohammed, Professor) **124,** 1
Tóth, László S., Molinari, Alain, and Estrin, Yuri — Strain Hardening at Large Strains as Predicted by Dislocation Based Polycrystal Plasticity Model. **124,** 71–77
Tsagrakis, Ioannis, and Aifantis, Elias C. — Recent Developments in Gradient Plasticity—Part I: Formulation and Size Effects. **124,** 352–357

Ungár, T., Ribárik, G., Gubicza, J., and Hanák, P. — Dislocation Structure and Crystallite Size Distribution in Plastically Deformed Metals Determined by Diffraction Peak Profile Analysis. **124,** 2–6
_____ (see Zehetbauer, M.) **124,** 41–47

Vetrano, J. S. — (see Gan, J.) **124,** 297–301
Vincent, Ludovic, Calloch, Sylvain, Kurtyka, Tadeusz, and Marquis, Didier — An Improvement of Multiaxial Ratchetting Modeling Via Yield Surface Distortion. **124,** 402–411

Waas, Anthony M. — (see Yerramalli, Chandra S.) **124,** 152–159
Wang, D.-Q. — (see Sutton, M. A.) **124,** 215–221
_____ (see Sutton, M. A.) **124,** 451(E)
Wei, Chung-Sheng — (see Aoh, Jong-Ning) **124,** 250–258
Williams, C. L. — (see Arola, D.) **124,** 160–166
Wirth, B. D., Bulatov, V. V., and de la Rubia, T. Diaz — Dislocation-Stacking Fault Tetrahedron Interactions in Cu. **124,** 329–334
Wu, N. Q. — (see Duan, D-M.) **124,** 167–173
Wu, Wen-li — (see Chiang, Martin Y. M.) **124,** 274–277

Xue, Z., Huang, Y., Hwang, K. C., and Li, M. — The Influence of Indenter Tip Radius on the Micro-Indentation Hardness. **124,** 371–379

Yahya, O. M. L., and Aubertin, M. — Application of a Unified Viscoplastic Model With Mixed Hardening to Ionic Solids and Metallic Alloys. **124,** 103–111
Yang, X. J. — (see Chow, C. L.) **124,** 259–265
Yerramalli, Chandra S., and Waas, Anthony M. — *In Situ* Matrix Shear Response Using Torsional Test Data of Fiber Reinforced Unidirectional Polymer Composites. **124,** 152–159

Zbib, Hussein M., Díaz de la Rubia, Tomas, and Bulatov, Vasily — A Multiscale Model of Plasticity Based on Discrete Dislocation Dynamics. **124,** 78–87
_____ (see Davies, Richard W.) **124,** 125–134
_____ (see Hiratani, Masato) **124,** 335–341
_____ (see Khraishi, Tariq A.) **124,** 289
_____ (see Khraishi, Tariq A.) **124,** 342–351
Zehetbauer, M., Schafler, E., Ungár, T., Kopacz, I., and Bernstorff, S. — Investigation of the Microstructural Evolution During Large Strain Cold Working of Metals by Means of Synchrotron Radiation—A Comparative Overview. **124,** 41–47
Zhao, M. — (see Duan, D-M.) **124,** 167–173
Zhou, Qing, and Mayer, Robert R. — Characterization of Aluminum Honeycomb Material Failure in Large Deformation Compression, Shear, and Tearing. **124,** 412–420
Zikry, M. A. — (see Ashmawi, W. M.) **124,** 88–96